

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052445.D
 Acq On : 21 Nov 2018 18:17
 Operator : MD\SY
 Sample : J6006-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 23:59:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	306300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	522123	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	163721	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	236549	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	
35) Dibromofluoromethane	7.59	113	174058	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
50) Toluene-d8	10.09	98	667719	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	201966	46.34	ug/l	0.00
Spiked Amount			Recovery	=	92.68%	

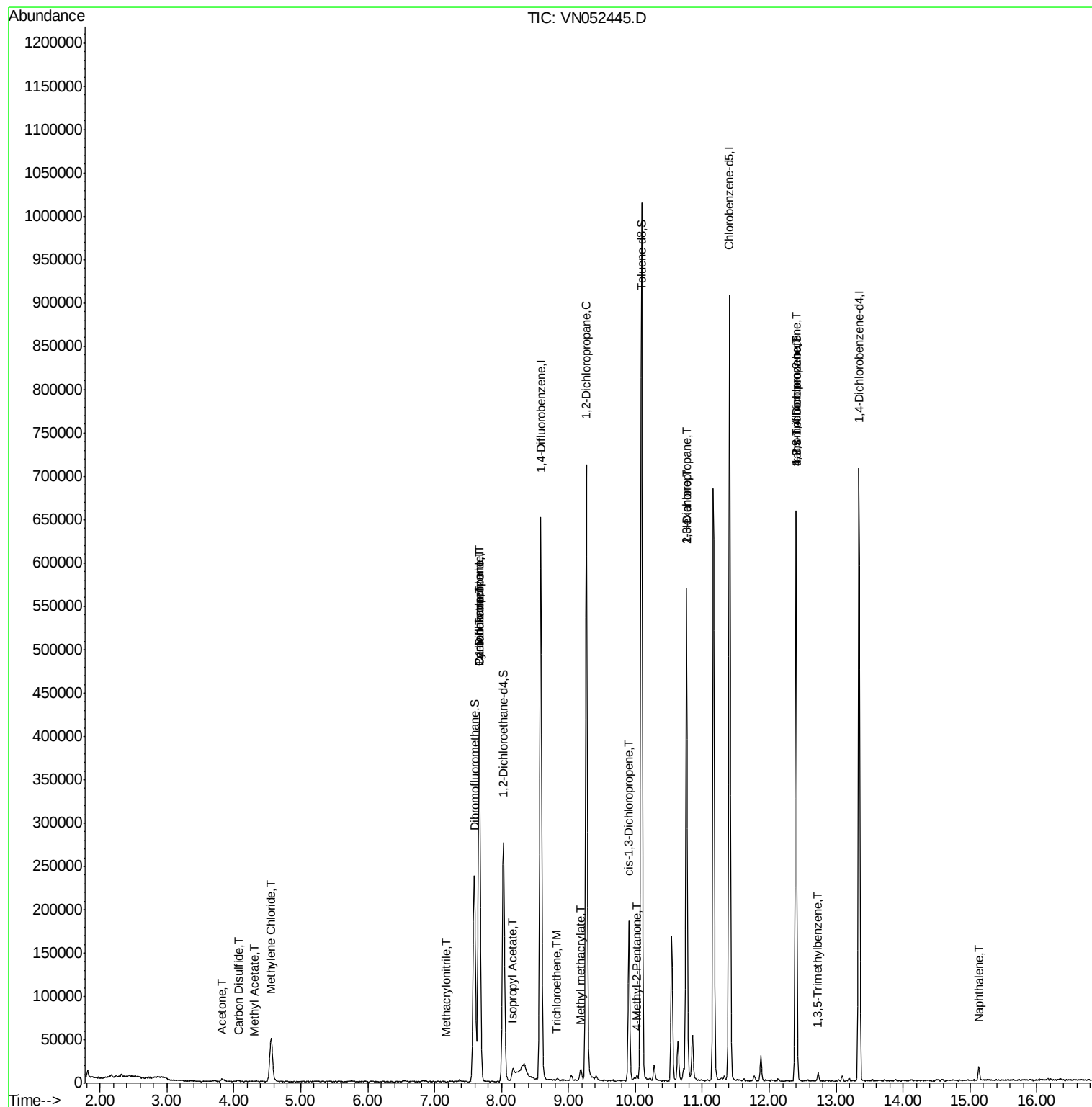
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	5780	4.853	ug/l #	89
17) Carbon Disulfide	4.06	76	2608	0.288	ug/l #	74
18) Methyl Acetate	4.31	43	885	0.695	ug/l #	57
20) Methylene Chloride	4.56	84	31574	8.127	ug/l	98
31) Cyclohexane	7.67	56	9808	0.440	ug/l #	39
36) 1,1-Dichloropropene	7.67	75	29331	5.605	ug/l #	52
38) Carbon Tetrachloride	7.67	117	33828	7.036	ug/l #	16
41) Methacrylonitrile	7.18	41	126	3.751	ug/l #	100
43) Isopropyl Acetate	8.17	43	22469	3.066	ug/l #	91
44) Trichloroethene	8.83	130	984	0.267	ug/l	69
45) 1,2-Dichloropropane	9.27	63	907	0.214	ug/l #	44
48) Methyl methacrylate	9.18	41	6459	1.737	ug/l #	16
51) 4-Methyl-2-Pentanone	10.02	43	4970	1.347	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	27376	4.724	ug/l #	73
57) 1,3-Dichloropropane	10.76	76	4971	0.866	ug/l #	43
59) 2-Hexanone	10.76	43	95315	37.563	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	118064	42.499	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3880	0.371	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	118064	137.841	ug/l #	5
95) Naphthalene	15.13	128	12238	4.606	ug/l	97

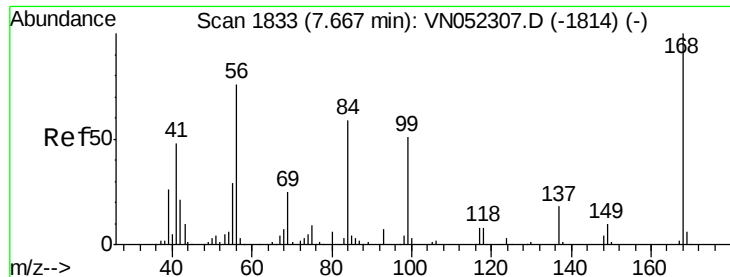
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052445.D

Acq: 21 Nov 2018 18:17

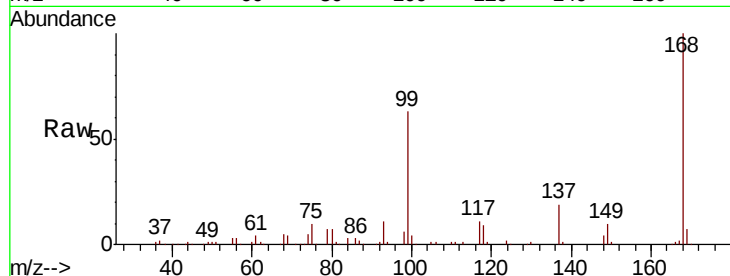
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 306300

Ion Ratio Lower Upper

168 100

99 63.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052307.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052307.D (-1814) (-)

7.67

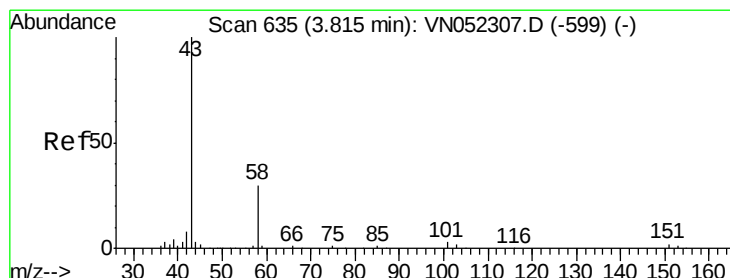
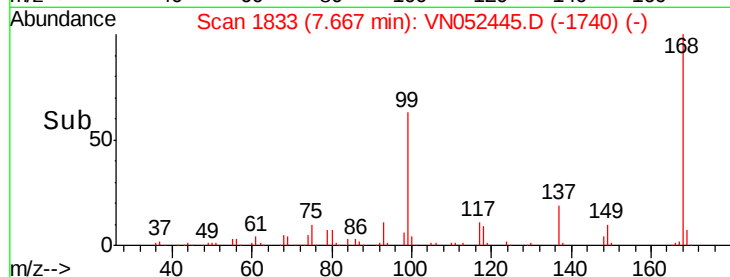
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.853 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052445.D

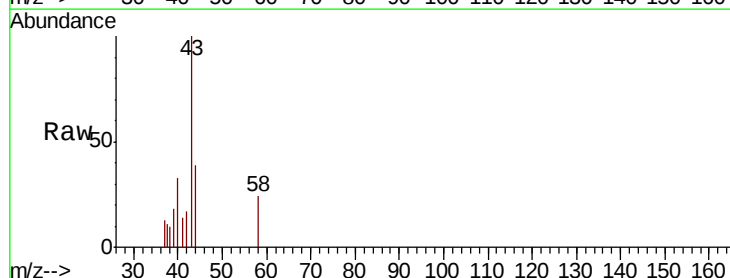
Acq: 21 Nov 2018 18:17

Tgt Ion: 43 Resp: 5780

Ion Ratio Lower Upper

43 100

58 24.2 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-599) (-)

3.82

2000

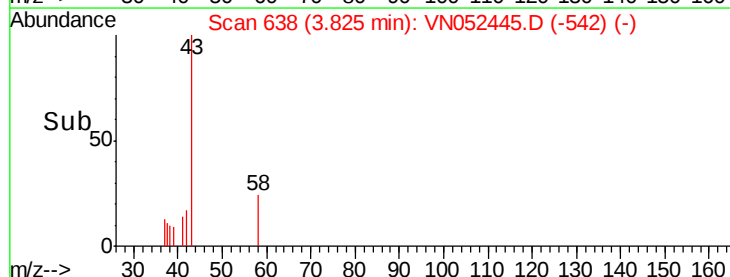
1500

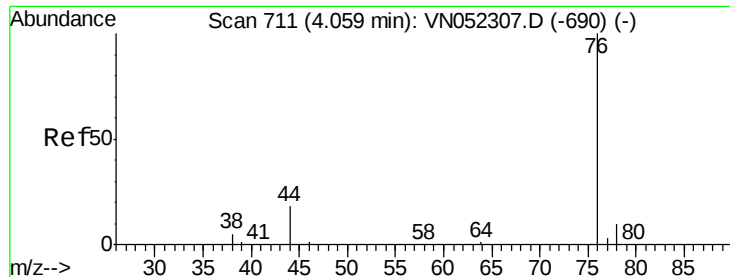
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500

0

Time-->

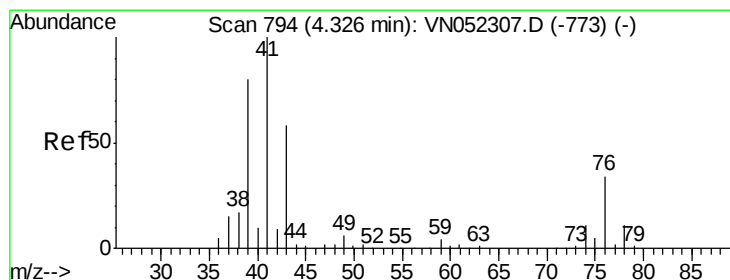
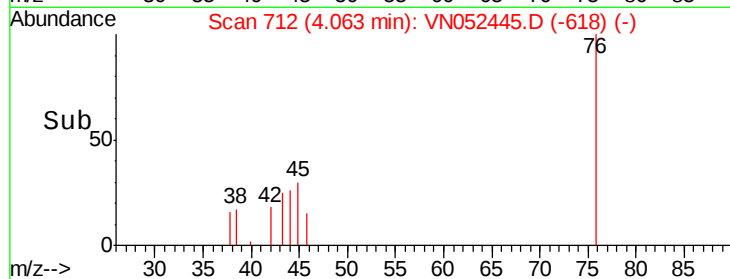
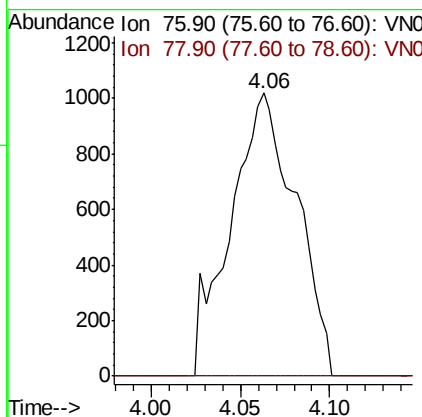
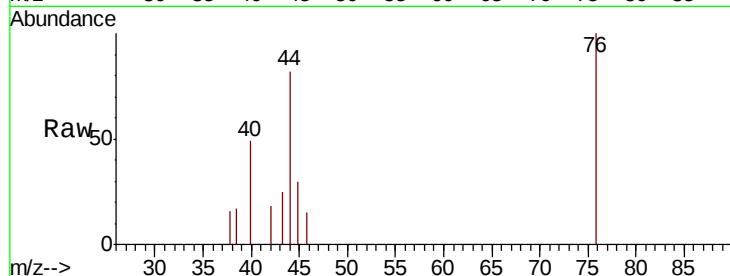




#17
Carbon Disulfide
Concen: 0.288 ug/l
RT: 4.06 min Scan# 712
Delta R.T. 0.00 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

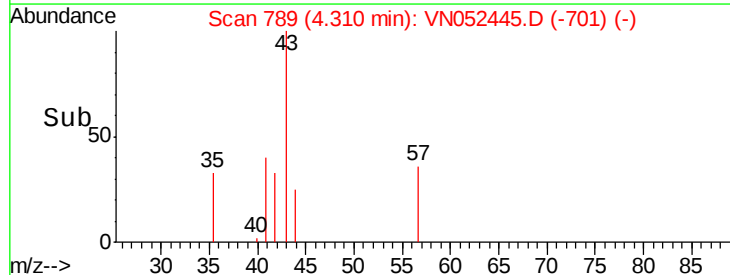
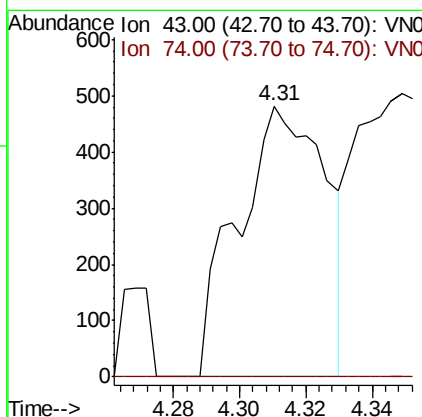
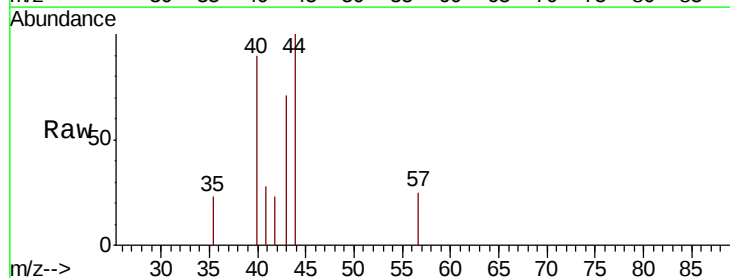
Instrument :
MSVOA_N
ClientSampled :

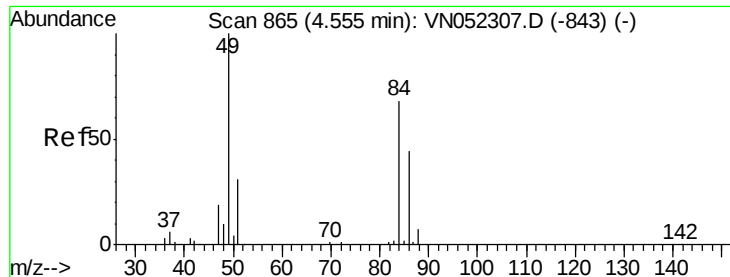
Tot Ion: 76 Resp: 2608
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 0.695 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.02 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#

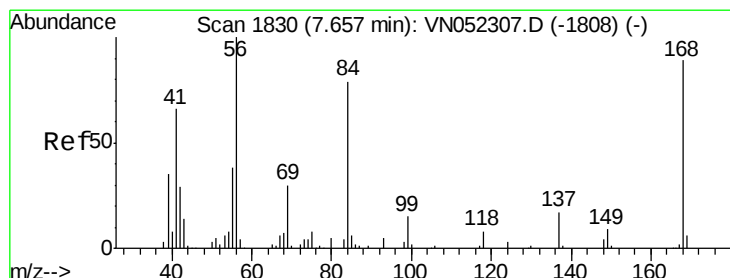
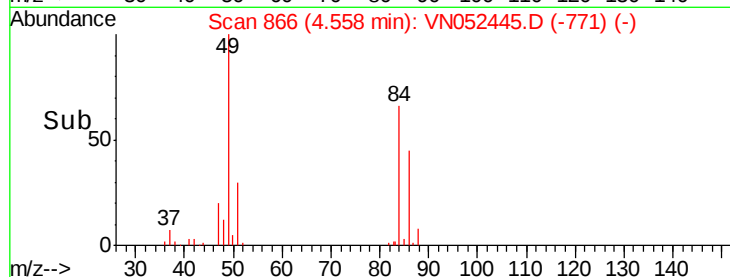
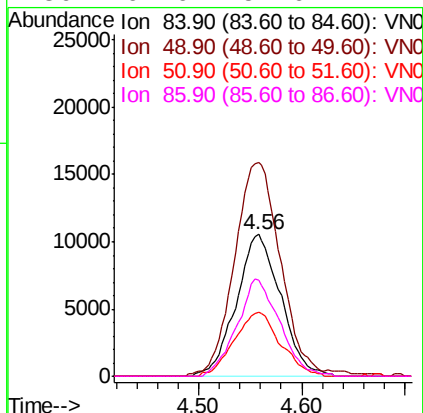
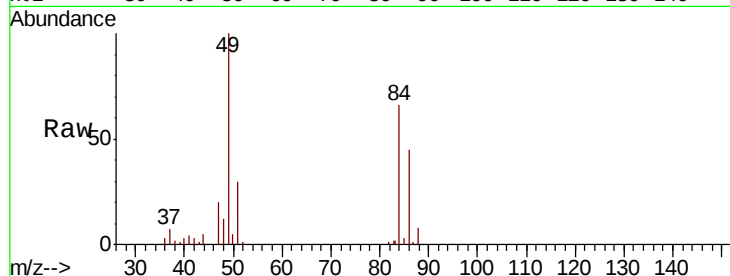




#20
Methylene Chloride
Concen: 8.127 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

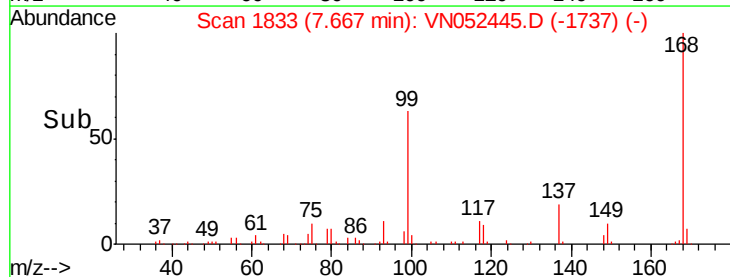
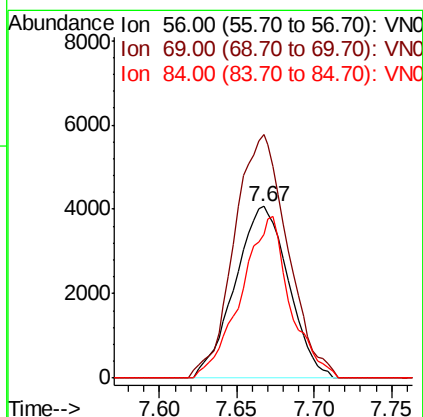
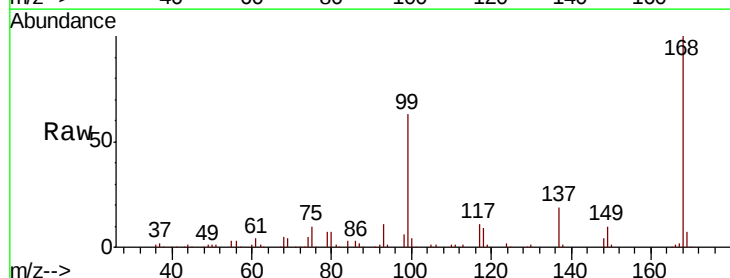
Instrument :
MSVOA_N
ClientSampled :

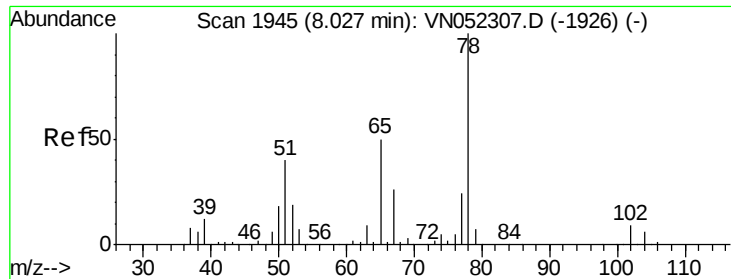
Tot Ion: 84 Resp: 31574
Ion Ratio Lower Upper
84 100
49 149.1 118.2 177.2
51 44.9 36.1 54.1
86 67.6 51.6 77.4



#31
Cyclohexane
Concen: 0.440 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

Tgt Ion: 56 Resp: 9808
Ion Ratio Lower Upper
56 100
69 142.1 23.8 35.8#
84 84.2 63.0 94.6

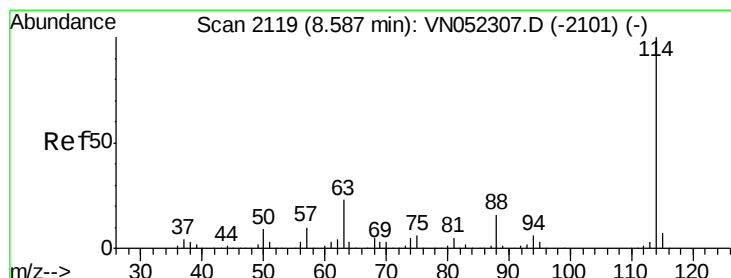
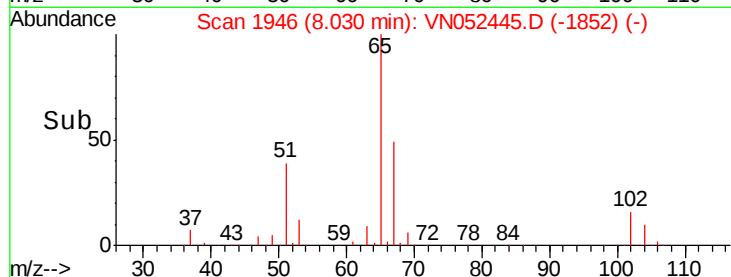
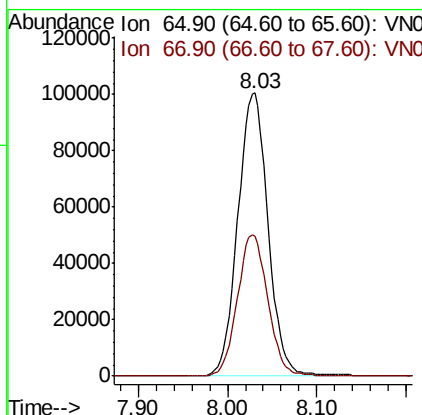
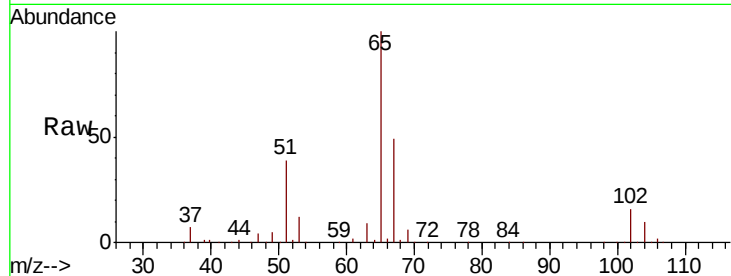




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052445.D
 Acq: 21 Nov 2018 18:17

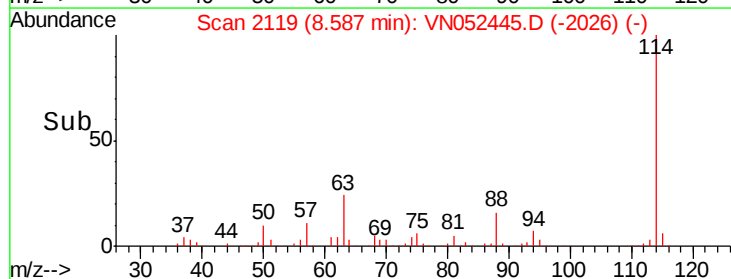
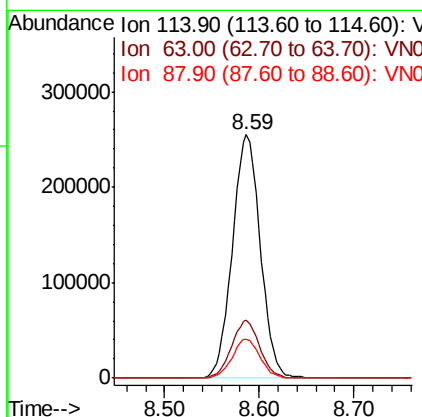
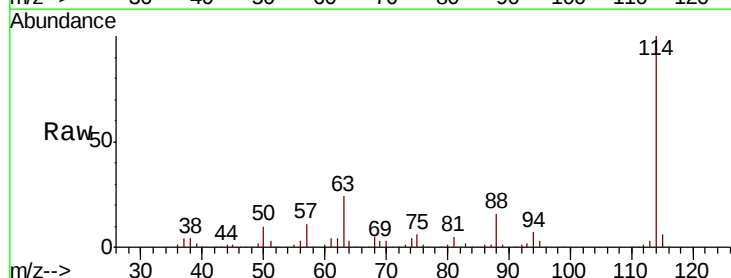
Instrument :
 MSVOA_N
 ClientSampleId :

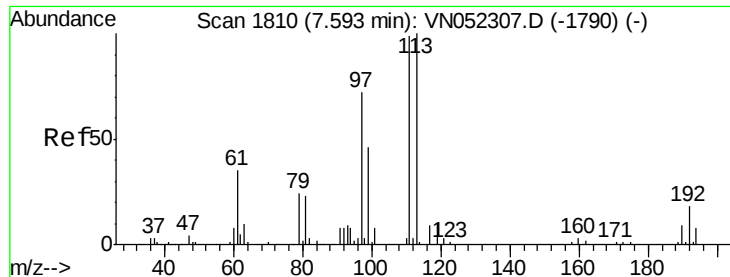
Tot Ion: 65 Resp: 236549
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052445.D
 Acq: 21 Nov 2018 18:17

Tgt Ion: 114 Resp: 522123
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.4
 88 16.1 0.0 31.2

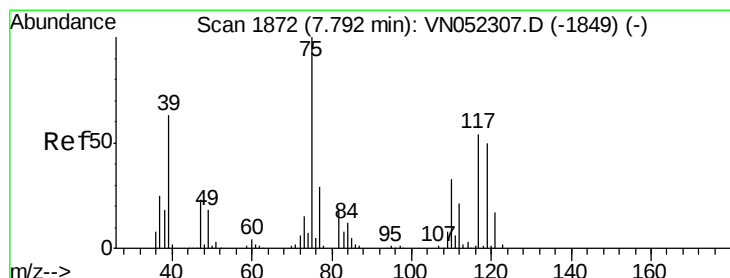
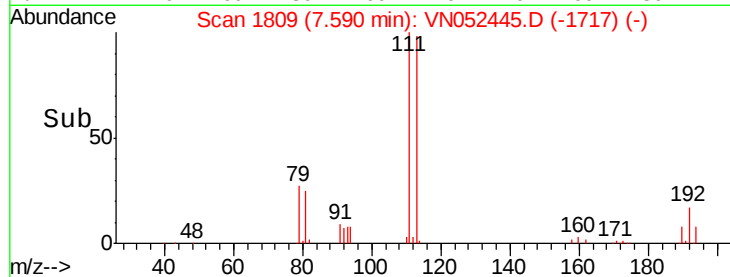
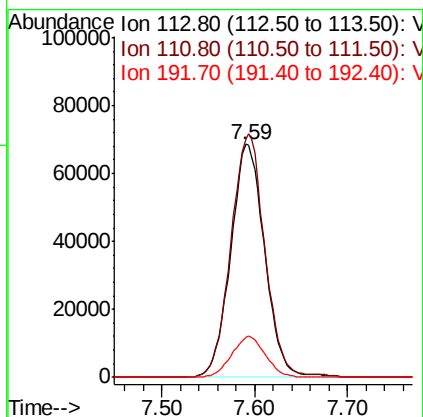
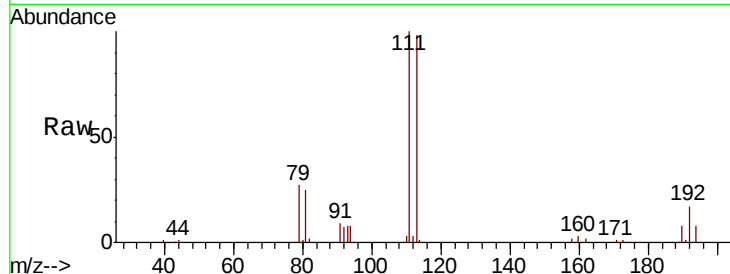




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052445.D
 Acq: 21 Nov 2018 18:17

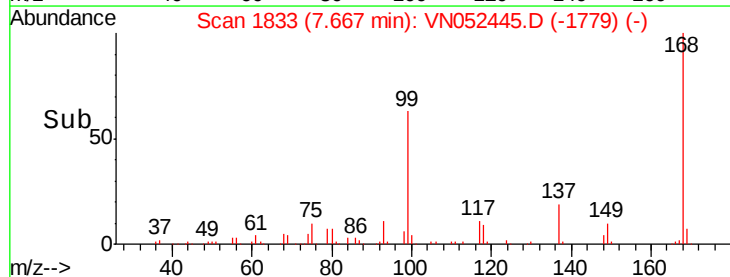
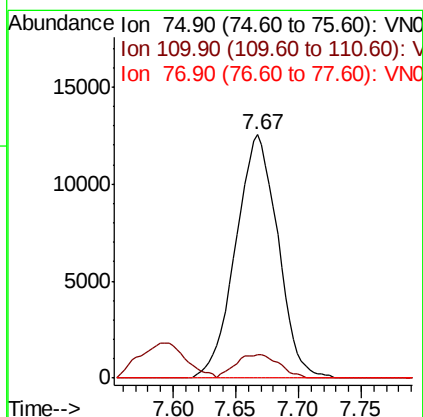
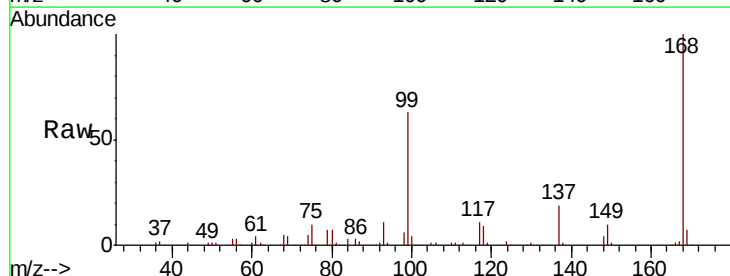
Instrument :
 MSVOA_N
 ClientSampleId :

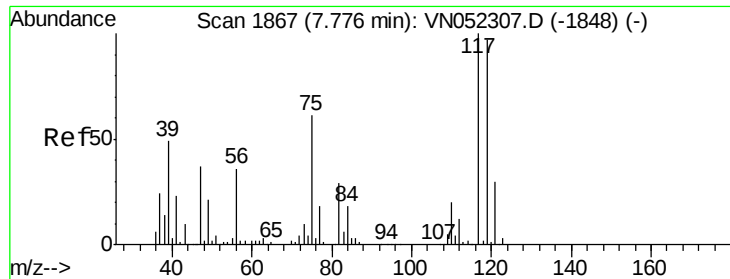
Tot Ion:113 Resp: 174058
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.0 121.6
 192 17.4 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 5.605 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052445.D
 Acq: 21 Nov 2018 18:17

Tgt Ion: 75 Resp: 29331
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.5 49.5#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 7.036 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052445.D

Acq: 21 Nov 2018 18:17

Instrument :

MSVOA_N

ClientSampled :

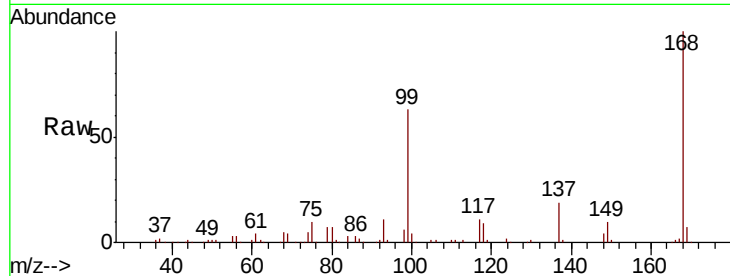
Tot Ion:117 Resp: 33828

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.0#

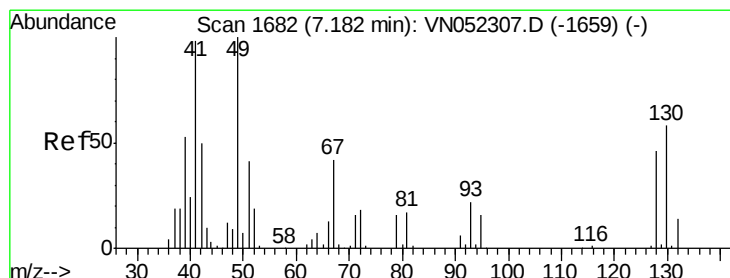
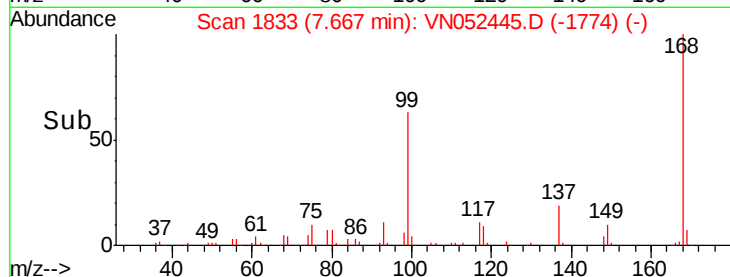
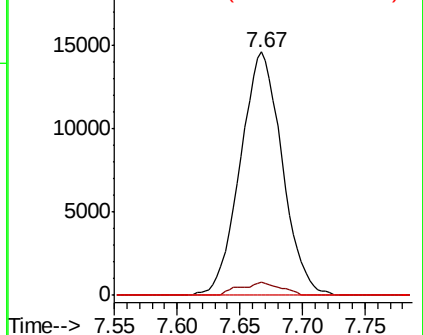
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 3.751 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052445.D

Acq: 21 Nov 2018 18:17

Tgt Ion: 41 Resp: 126

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

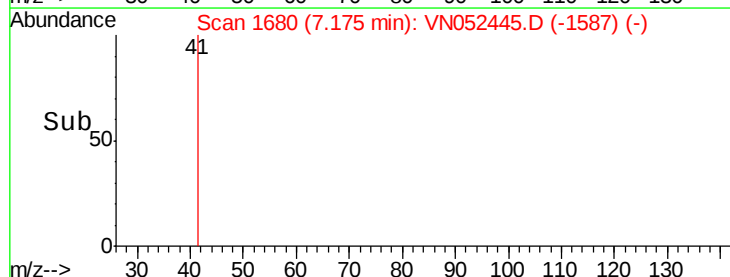
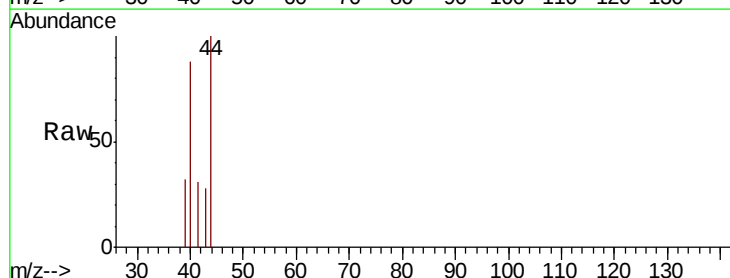
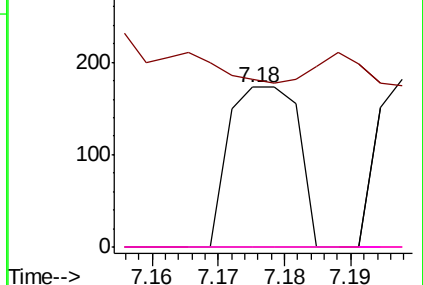
52 0.0 0.0 0.0

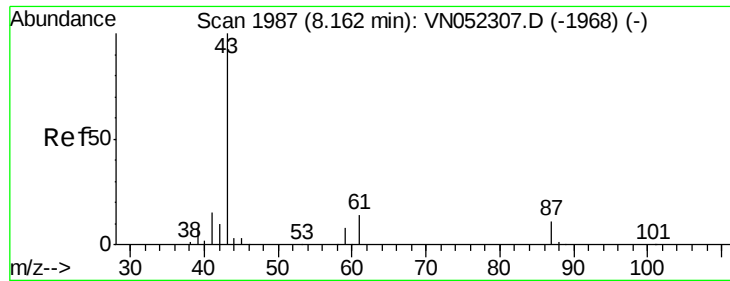
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 3.066 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052445.D

Acq: 21 Nov 2018 18:17

Instrument :

MSVOA_N

ClientSampled :

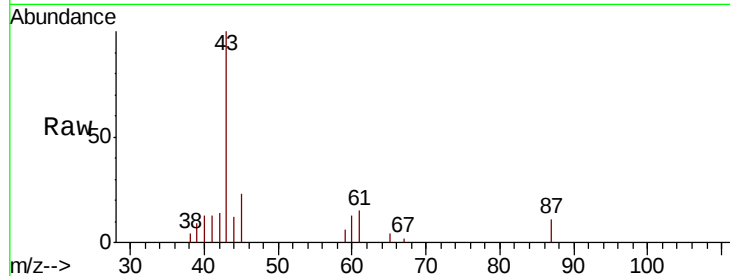
Tot Ion: 43 Resp: 22469

Ion Ratio Lower Upper

43 100

61 11.0 12.0 18.0#

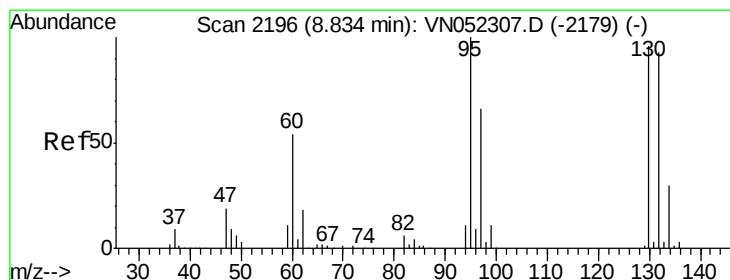
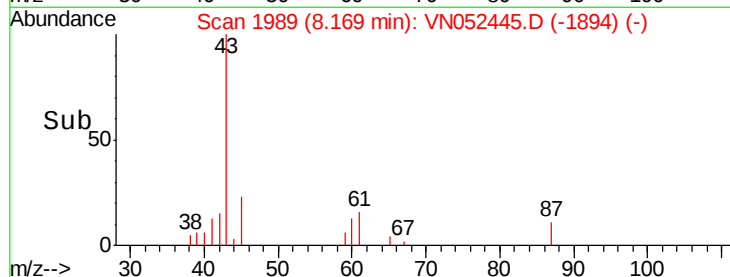
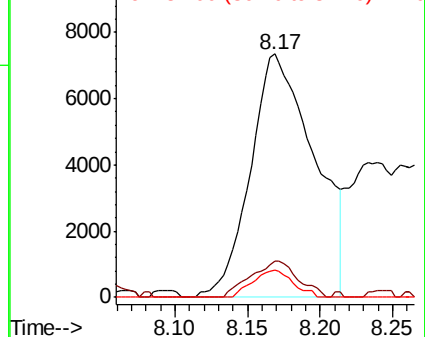
87 7.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052307.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052307.D (-1968) (-)



#44

Trichloroethene

Concen: 0.267 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN052445.D

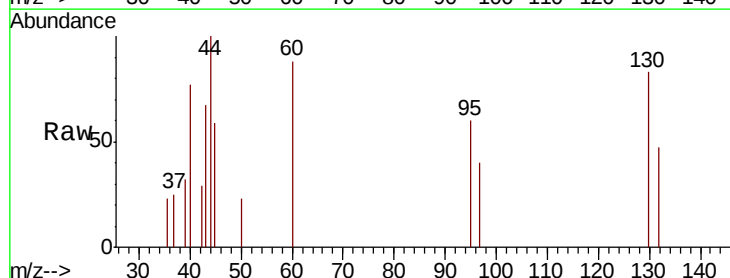
Acq: 21 Nov 2018 18:17

Tgt Ion: 130 Resp: 984

Ion Ratio Lower Upper

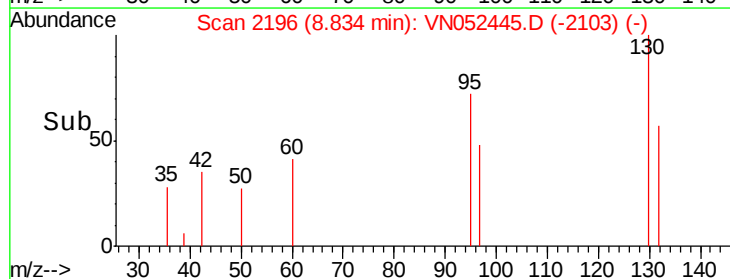
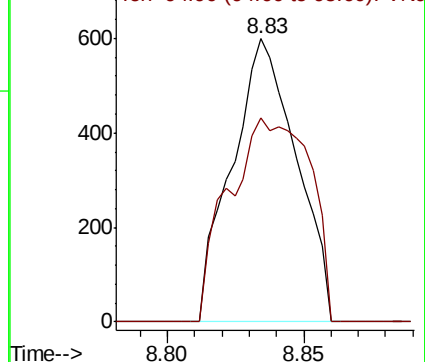
130 100

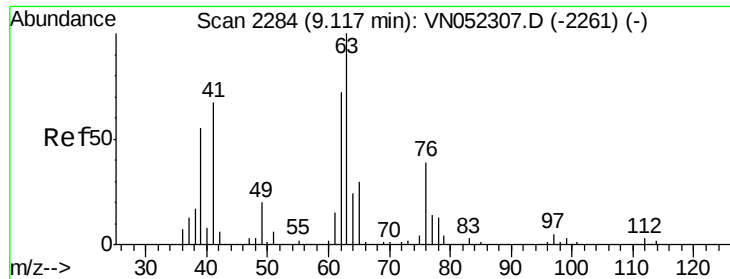
95 72.1 0.0 208.4



Abundance Ion 129.80 (129.50 to 130.50): VN052307.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052307.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 0.214 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.15 min

Lab File: VN052445.D

Acq: 21 Nov 2018 18:17

Instrument :

MSVOA_N

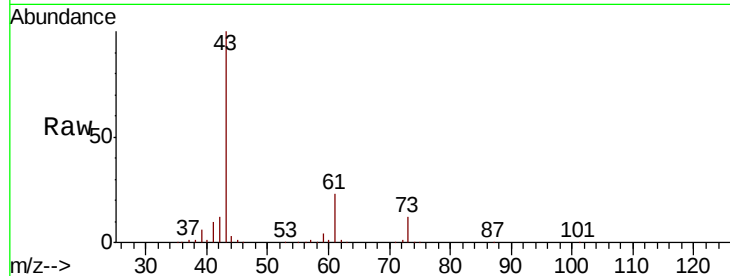
ClientSampleId :

Tot Ion: 63 Resp: 907

Ion Ratio Lower Upper

63 100

65 0.0 24.2 36.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

600

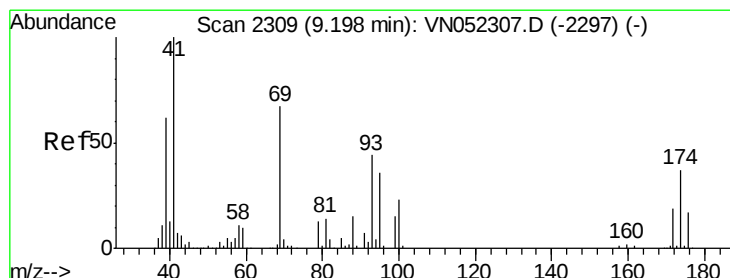
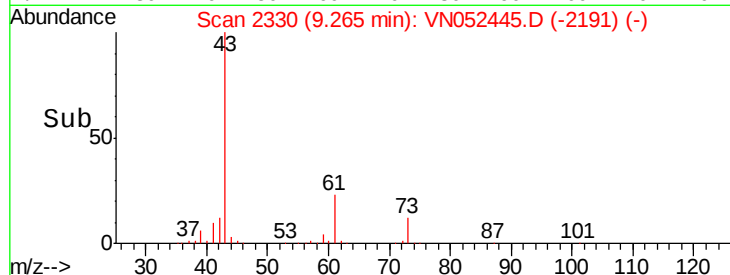
400

200

0

9.22 9.24 9.26 9.28 9.30

Time-->



#48

Methyl methacrylate

Concen: 1.737 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN052445.D

Acq: 21 Nov 2018 18:17

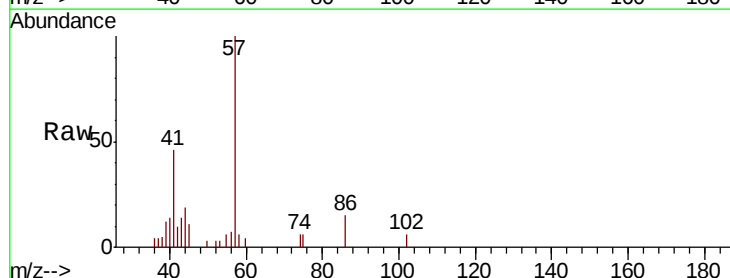
Tgt Ion: 41 Resp: 6459

Ion Ratio Lower Upper

41 100

69 0.0 57.1 85.7#

39 0.0 52.5 78.7#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

50000

40000

30000

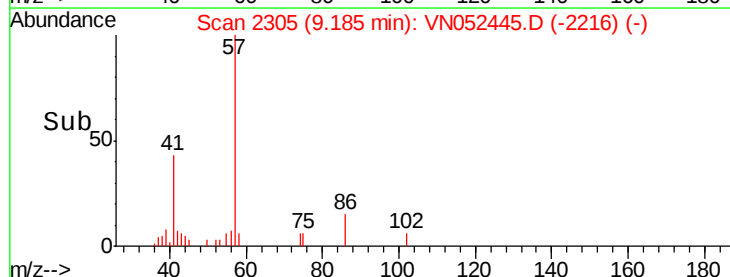
20000

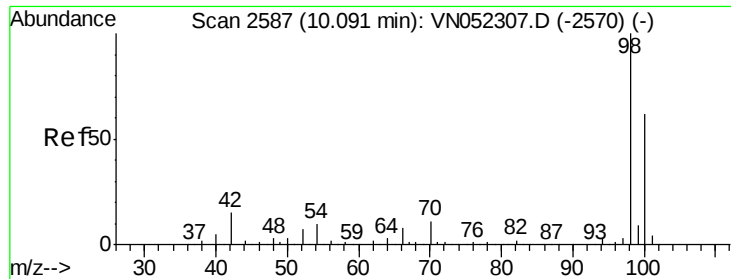
10000

0

9.10 9.15 9.20 9.25

Time-->





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052445.D

Acq: 21 Nov 2018 18:17

Instrument :

MSVOA_N

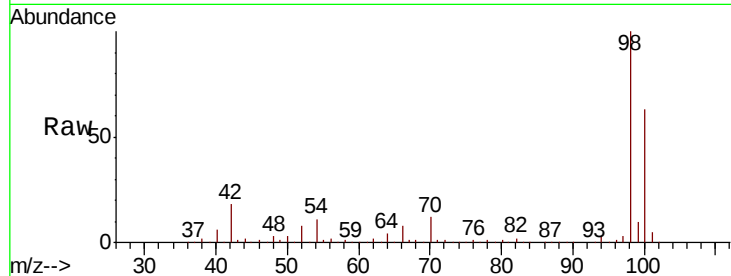
ClientSampleId :

Tot Ion: 98 Resp: 667719

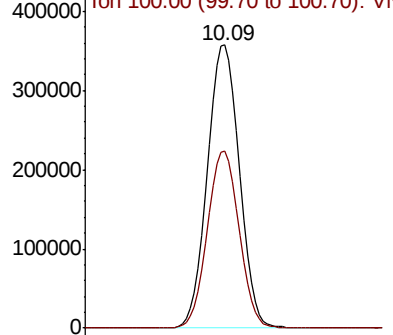
Ion Ratio Lower Upper

98 100

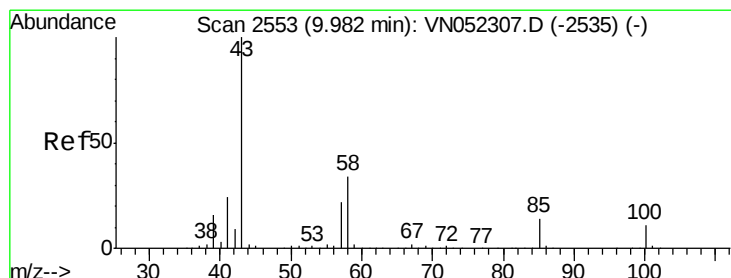
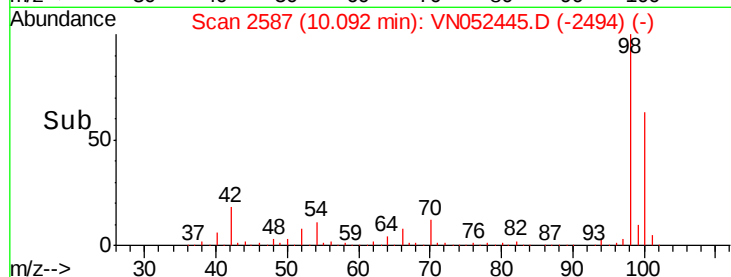
100 62.0 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.347 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052445.D

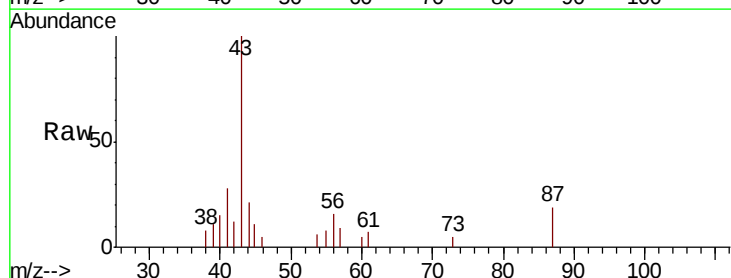
Acq: 21 Nov 2018 18:17

Tgt Ion: 43 Resp: 4970

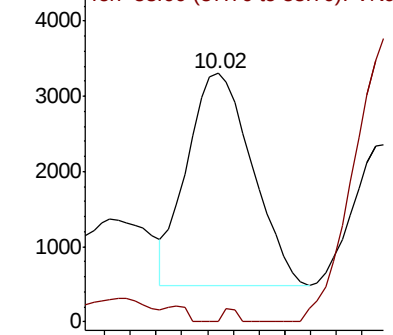
Ion Ratio Lower Upper

43 100

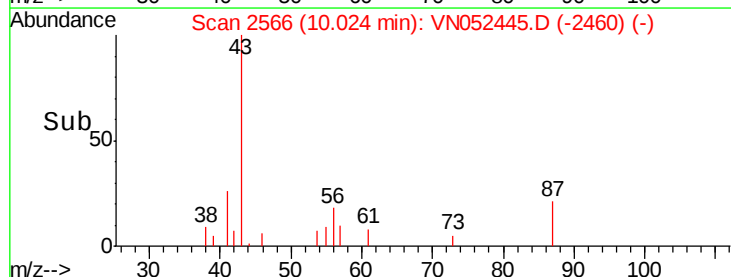
58 0.0 27.0 40.6#

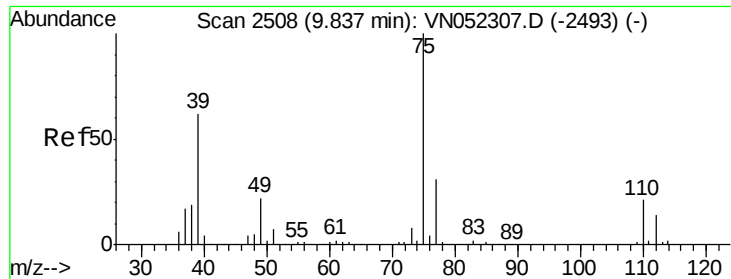


Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)



Time-->





#54

cis-1,3-Dichloropropene

Concen: 4.724 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN052445.D

Acq: 21 Nov 2018 18:17

Instrument :
MSVOA_N
ClientSampleId :

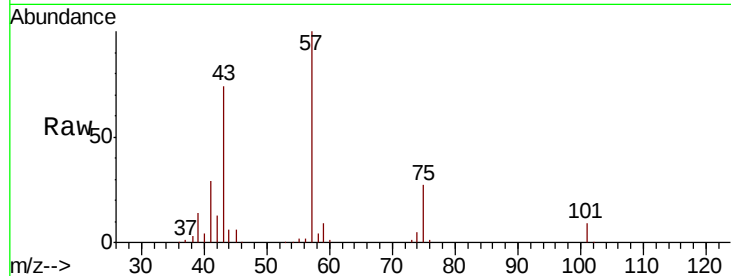
Tot Ion: 75 Resp: 27376

Ion Ratio Lower Upper

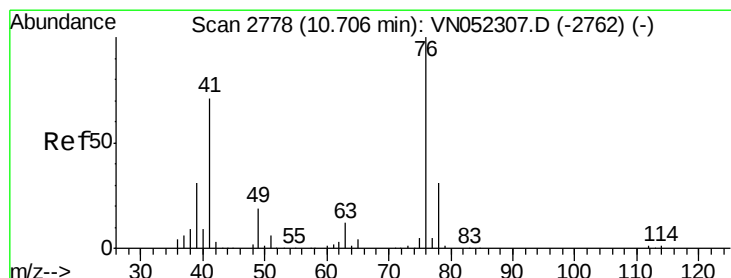
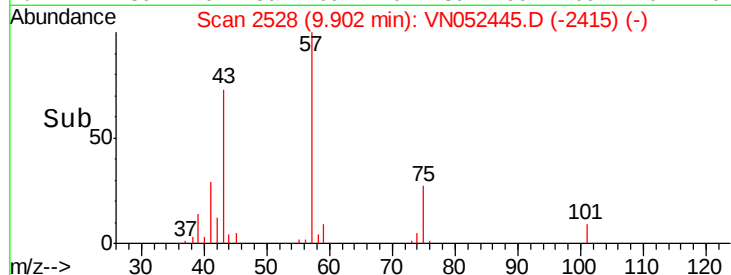
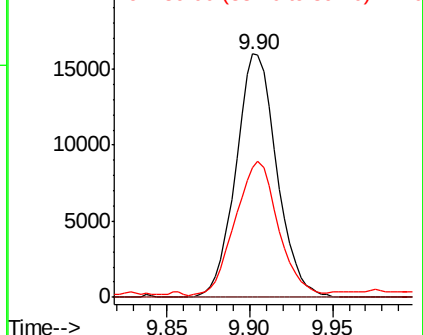
75 100

77 0.0 24.6 36.8#

39 52.4 49.9 74.9



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 76.90 (76.60 to 77.60): VN0
Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.866 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052445.D

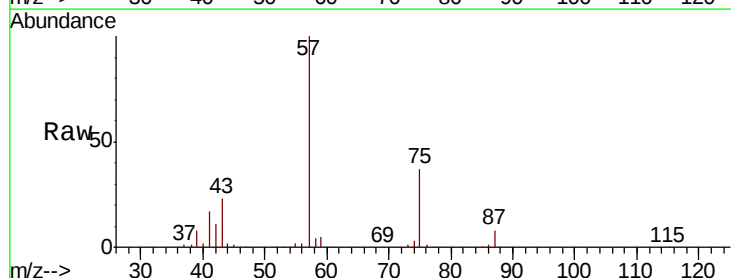
Acq: 21 Nov 2018 18:17

Tgt Ion: 76 Resp: 4971

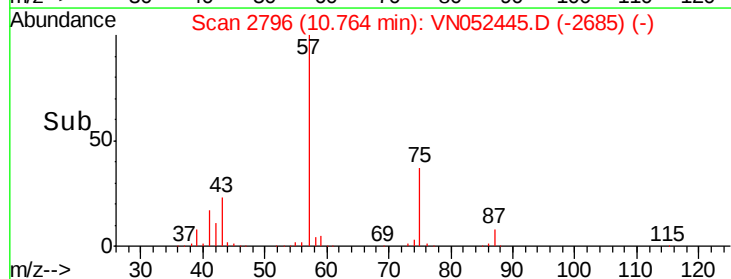
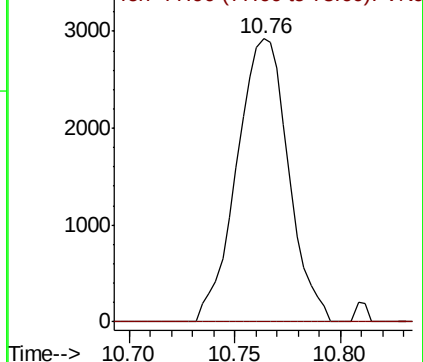
Ion Ratio Lower Upper

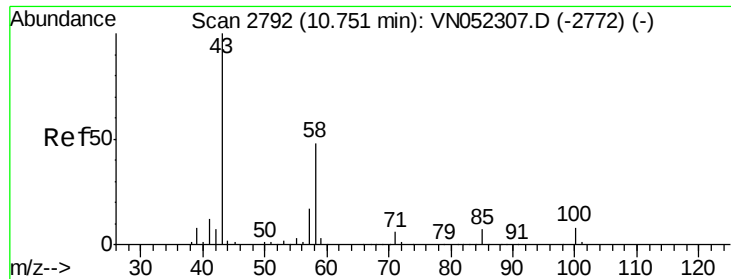
76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

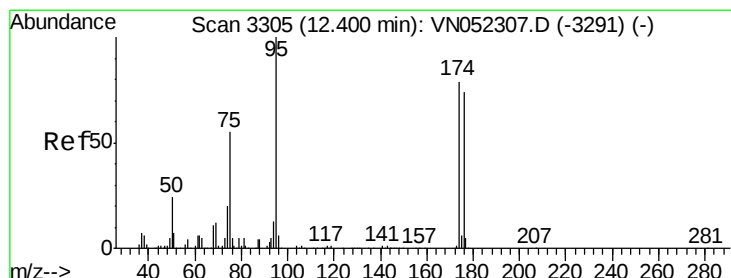
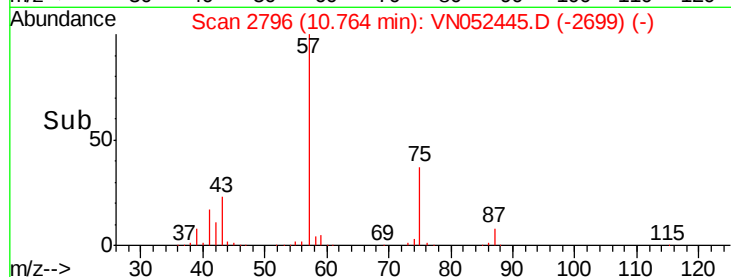
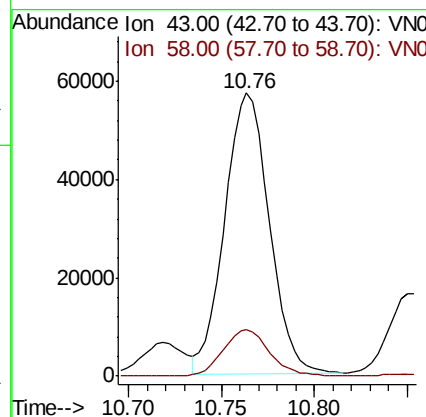
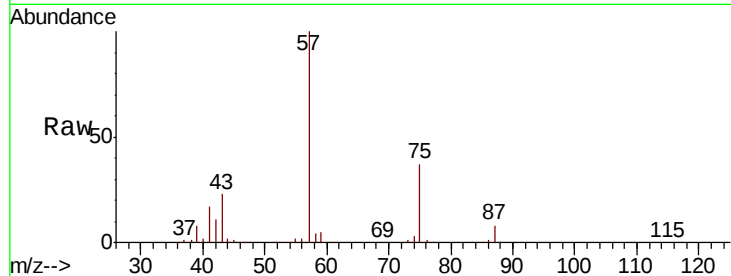




#59
2-Hexanone
Concen: 37.563 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

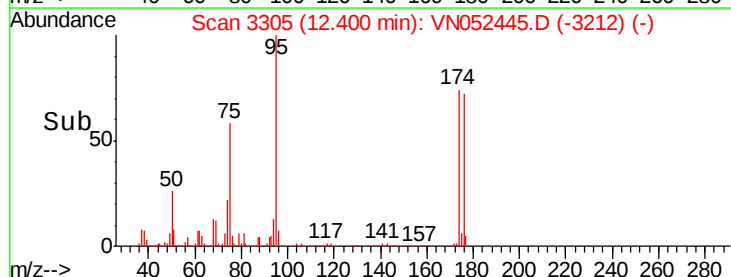
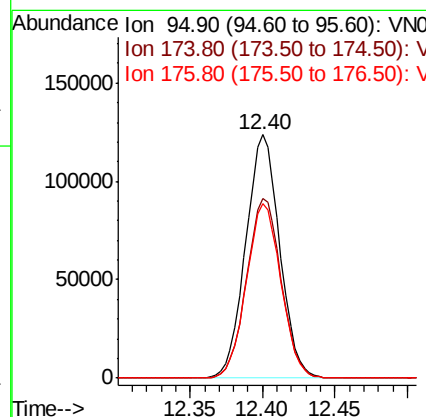
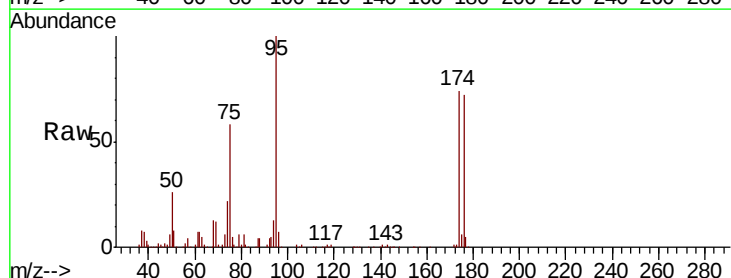
Instrument :
MSVOA_N
ClientSampled :

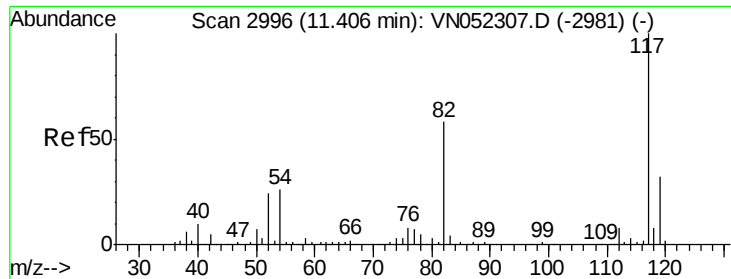
Tot Ion: 43 Resp: 95315
Ion Ratio Lower Upper
43 100
58 17.3 23.5 70.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

Tgt Ion: 95 Resp: 201966
Ion Ratio Lower Upper
95 100
174 75.2 0.0 156.0
176 72.9 0.0 148.4

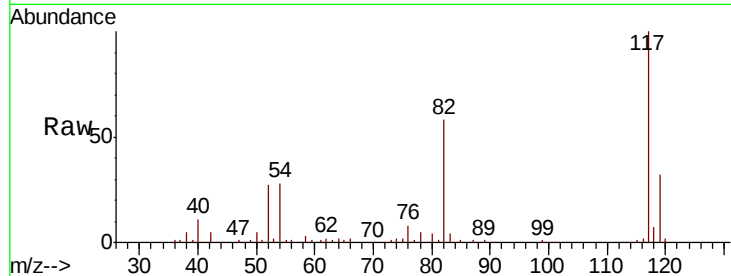




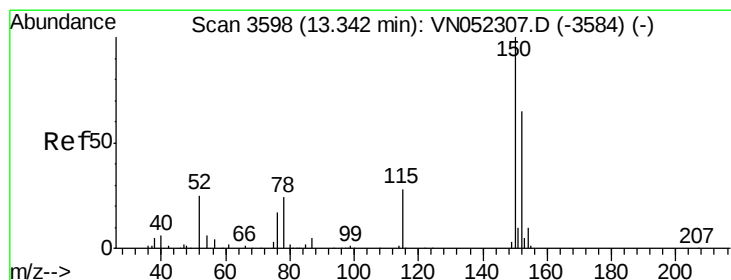
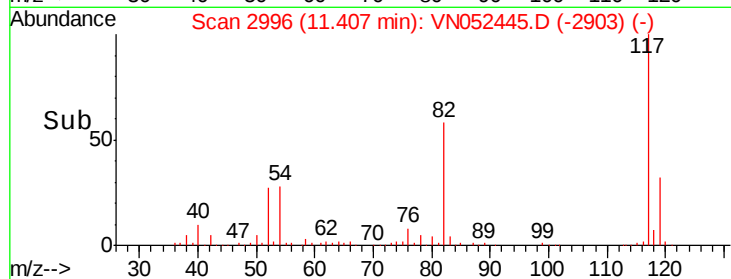
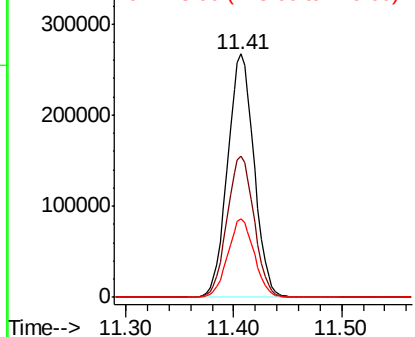
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 456732
Ion Ratio Lower Upper
117 100
82 58.0 46.5 69.7
119 32.2 25.7 38.5

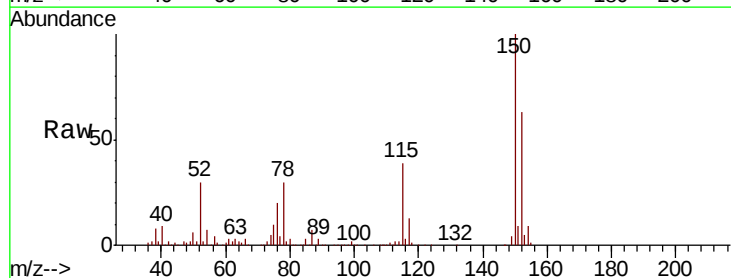


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

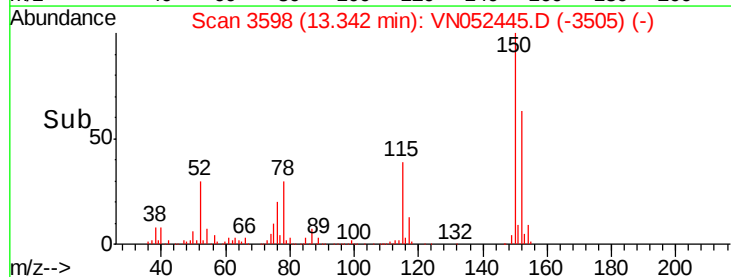
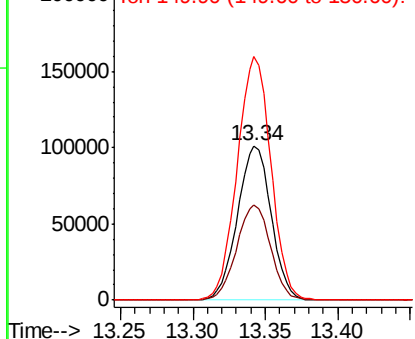


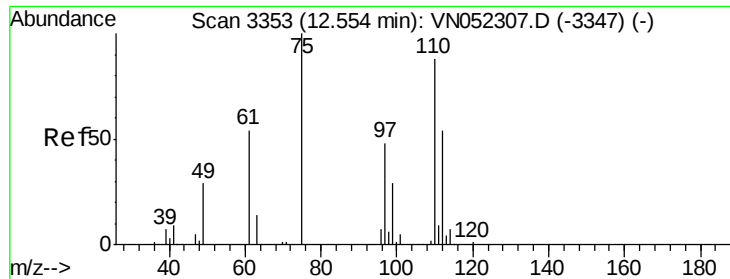
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

Tgt Ion:152 Resp: 163721
Ion Ratio Lower Upper
152 100
115 61.8 30.3 91.0
150 157.9 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 42.499 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052445.D

Acq: 21 Nov 2018 18:17

Instrument :

MSVOA_N

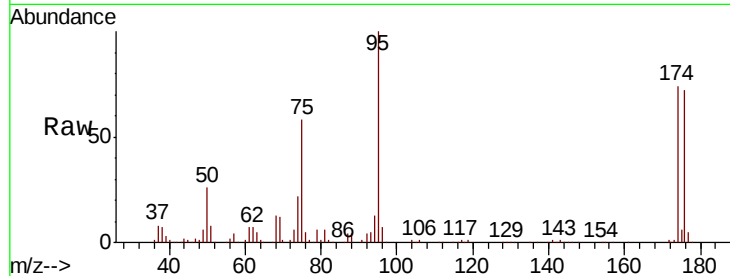
ClientSampleId :

Tot Ion: 75 Resp: 118064

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN052307.D (-3347) (-)

12.40

80000

60000

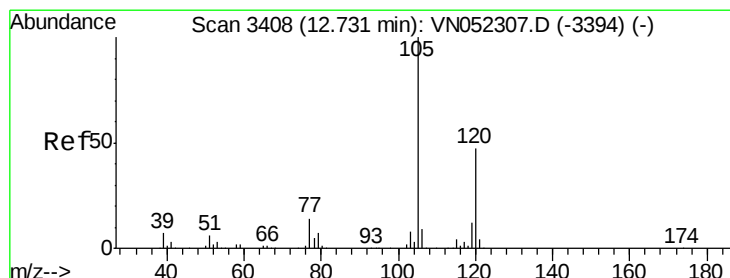
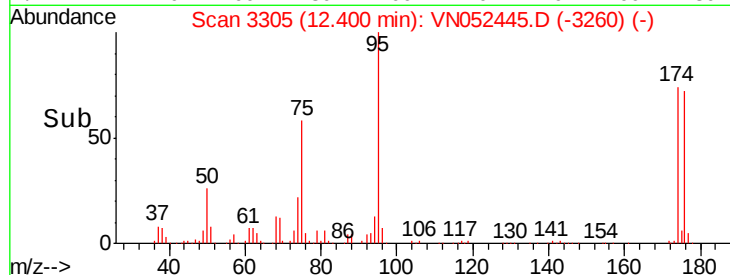
40000

20000

0

Time-->

12.35 12.40 12.45



#80

1,3,5-Trimethylbenzene

Concen: 0.371 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052445.D

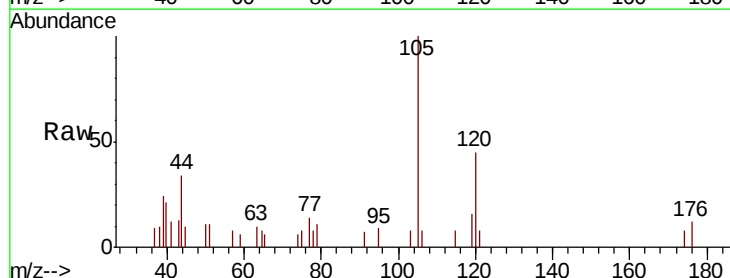
Acq: 21 Nov 2018 18:17

Tgt Ion:105 Resp: 3880

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)

12.73

3000

2500

2000

1500

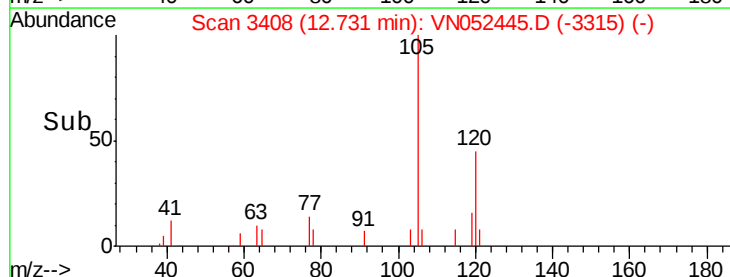
1000

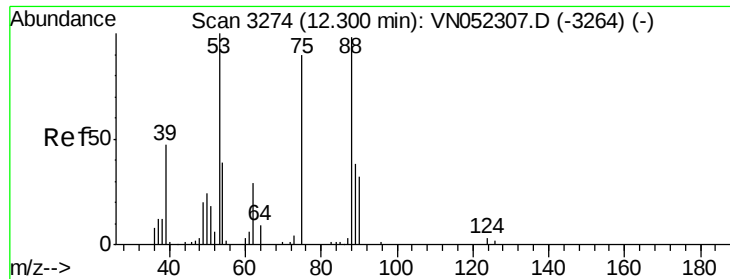
500

0

Time-->

12.70 12.75

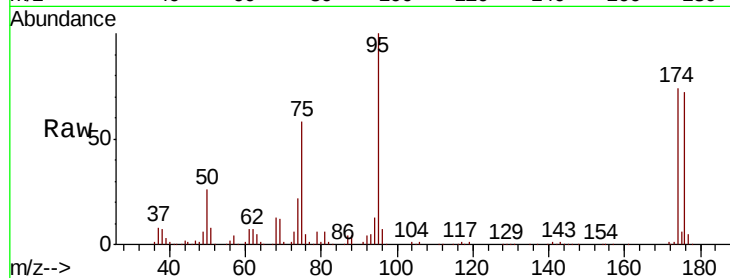




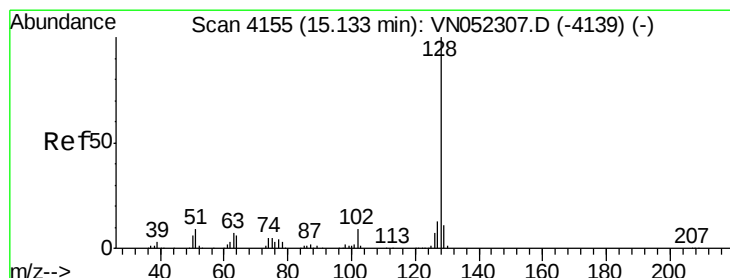
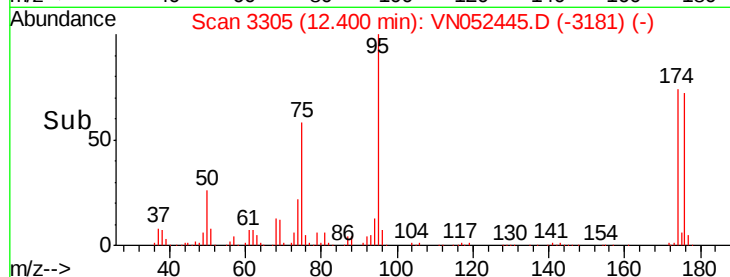
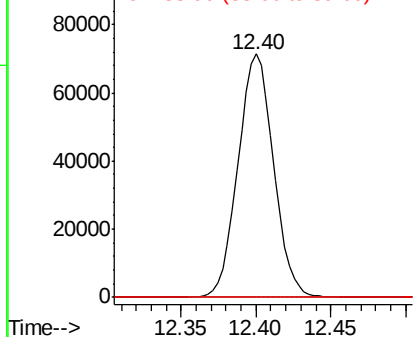
#81
trans-1,4-Dichloro-2-butene
Concen: 137.841 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 118064
Ion Ratio Lower Upper
75 100
53 0.0 90.2 135.2#
89 0.0 35.4 53.0#

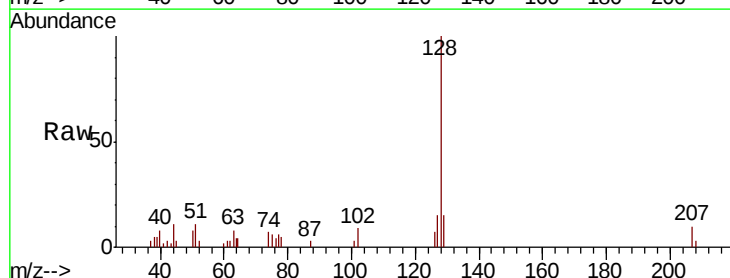


Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3264) (-)
Ion 53.00 (52.70 to 53.70): VN052307.D (-3264) (-)
Ion 88.90 (88.60 to 89.60): VN052307.D (-3264) (-)



#95
Naphthalene
Concen: 4.606 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052445.D
Acq: 21 Nov 2018 18:17

Tgt Ion:128 Resp: 12238
Ion Ratio Lower Upper
128 100
127 14.8 10.4 15.6
129 11.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VN052307.D (-4139) (-)
Ion 127.00 (126.70 to 127.70): VN052307.D (-4139) (-)
Ion 129.00 (128.70 to 129.70): VN052307.D (-4139) (-)

